# AMERICAN FARMER.

# RURAL ECONOMY, INTERNAL IMPROVEMENTS, PRICES CURRENT.

" O fortunatos nimium sua si bona norint

" Agricolas." . . VIRG.

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### AGRICULTURAL.

FOR THE AMERICAN FARMER.

# ON HEDGING, No. 5.

By CALEB KIRK, of Delaware.

[Continued from No. 26, p. 204.]

Having preferred plashing to any other mode that I had seen made use of in training a hedge. I began the process when the stalks were about an inch in diameter near the root, and from that to an inch and a half; if well attended to in their previous growth, they will attain that size in six or seven years after they are planted, but if neglected they may require double that period. It may be observed that no advantage is gained by plashing before a good root is formed, to this in the future support and basis of the superstructure by having a good strong root, the couting and wounding the top or body of the stalk with one will soon recover any injury received in the necessary work of plashing, which is done by cutting and wounding the stalk with a hedge knife or pruning hook, bending the stalk with one hand in the direction it is to be laid, at same time by a stroke with the knife with the other, about four inches from the surface of the ground, if one stroke should not prove sufficient a second or the first of the surface of the ground, if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surface of the ground if one stroke should not prove sufficient a second or the first of the surfa Having preferred plashing to any other mode about four inches from the surface of the ground if one stroke should not prove sufficient a second or third may be applied, being careful to leave as much of he wood uncut as to afford the sap a chance to flow into the top, and yet to bend easy into an inclined position of about forty-five degrees elevation, from the base or bank on which it stands, one third or one fourth of uncut wood is sufficient to supply sap to the plashing, which must bend easy, otherwise it would incline to rise out of the proper degree of inclination.—Much depends on this circumstance in forming a good and uniform hedge—the plashing should not press one upon another so much as to prevent a free and unobstructed circulation of air and the sun's rays also, as the health and vigour of the plashing is much promoted thereby. If there should be more wood in the hedge by planting too close or from any other cause, it must be cut away, leaving no more, than what is really necessary to form the basis of a good and lasting live fence. (see the drawing on the wax thage.) One of my errors was suffering too much bushwood to be crowded into my first laid hedges, both living and dead—brush-wood, such as was cut away, no some places where too thick, was filled in where too thirk, and in a not in order to the purpose of holding straggling shoots, that noner limits to the plashing too the plashing too the plashing too constructed circulation of air are from the plashing, the plashing, the plashing too the plashing, the plashing to a the plashing to a the plashing to the plashing to a the as was cut away, in some places where too thick, the stakes, keeps them in a direct line, serves tained, all that is necessary is the keeping it in was filled in where too thin; and in order to make a present fence I was induced to suffer it may be directed within it, and confines the top of to be done in this way from the recommendation of the hedge, holding it steady for trimming until tion of newly plashed hedge, divested of foliage, in the business.

But my observations in two or three years trimming the superfluous branches off, the body more, convinced me of the impropriety of intro-becomes more dense and impenetrable. ducing dead word to fill every vacancy, as well as crowding too much of that which was living. I trimming about the middle of 6th month, (June)

had much of it to remove in places where a want and found it much easier to accomplish while the of health demonstrated the present evil. After shoot was in a tender state, and have regularly this was done the remaining part became more done the trimming in that and the following healthy, but still continues thin and never will month ever since, finding the labour much easier overcome the injury, there seems to be no inclina-performed, and no bad effect on the hedges, toon to put out shoots from the old wood in those though warned by some to the contrary, who ap-

tion of my hedger, who was from the west of its own growth gives it stability.

England, and had been in that practice for the immediate making of a fence of such materials examined, and any shoot that inclines to leave cancies, and seven years old before it was cut. as he had to do with. I readily gave his judg-the right direction should be cut away, unless That lettered B represents a section of one ment the preference, he having had experience their is a vacant spot to receive it, then it ought that has been laid seven years, and annually to be introduced into such vacancy by frequently trimmed, being in full foliage at the time the

drawing was taken. The former showing the on those specimens were done with a common record the truth of this sentiment; the best interests skeleton of a hedge, that may be useful to degrass scythe, as the mowers were cutting the and interest adoption, and call for a free monstrate the subject in that stage of its progress grass enclosed in the field. I found by applying well as a communication of facts; which means comton in the scythe to the hedge it was an expeditions will be a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in the field. I found by applying well as a communication of facts; which means composed in most impenetrable at the bottom; those views are elevated on a bank from a foot to eighteen duced by the foregoing mode of management inches high, which was formed from repeated and in a given term, it will be information to dressing, as they required fresh earth to cover the some, I have no doubt, sufficient to determine pose a new one which will explain most of the phenoment of the phenoment of the property of the pose and the property of t grass about the roots, which retards their growth their choice, whether a dead or a living fence is nomena which have been noticed, in the use of in a young state remarkably, if not kept down to be preferred. This elevation gives the hedge a much more forbidding appearance to ungovernable animals.

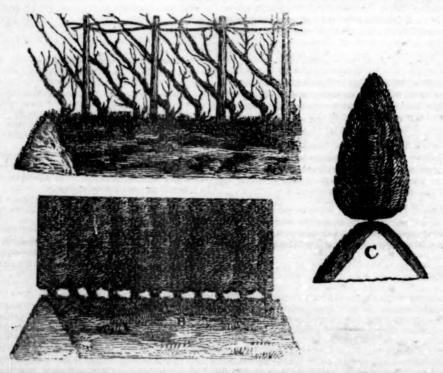
knife, about eighteen inches long with a hookedtion on the subject, as I had made up my deterpoint used with one hand, or with any other sharp mination preferring a live fence. light tool that may best suit the operator, making There is now some data to form an estimate up-the stroke upwards rather than downwards: the on, and the subject is of such a nature as to remaking it downwards. The last trimming made ascertained with much correctness.

drawing was taken. The former showing the on those specimens were done with a common record the truth of this sentiment; the best interests

I made the choice upon an imaginary view without having advantage of occular demonstra di of plaster are, tion, and without any idea of the comparative ex-The trimming may be done with a hedge pense, or even attempting to make any calcula
powers of the compound (the sulphate of lime.)

the cheut slichteen inches long with a hedge pense, or even attempting to make any calcula
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and the cheut slichteen inches long with a hedge pense.

root being secure in the ground, the plants will quire a series of years to gain the desired object, cultural Society, who has so eminently contributed to not give way before the stroke, as they would in yet I have a confidence in believing it can be the stock of agricultural knowledge in this country,



The most popular hypothesis of the modus operan.

1st. That its efficacy is derived from the septic 3d. Its power of attracting moisture from the air, is assigned as the cause.

4th. The hypothesis of professor Davy.

The learned president of the Philadelphia Agri and has received a well-merited applause for his exertions in that department of science, as well as in others, maintains the opinion, that gypsum is sepin others, maintains the opinion, that gypsim is sep-tic, and that its fertilizing powers are derived partly from this property, and partly from its sulphuric acid. In the memoirs of that society, vol. 3, p. 299, to prove that it is septic, he applied at the same time, to two heaps of unrotted vegetable substances, different proportions of plaster; that, to which he applied the least, rotted; while the other continued sound, from which he inferred that an overcharge was antiseptic, and that a small quantity was septic; but in the same page he says, "no more of the plas-ter will act than the materials necessary to co-operate with it, require : the balance (i. e. I suppose the overcharge) remains in its original state of composition, inert and useless"—here is an error in fact, or in reasoning, so obvious as to need no comment.

He (Judge Peters) denies the accuracy of profes-

sor Davy's experiments, which go to prove the anti-septic powers of gypsum; but as Dr. Darwin also, has long since proved, that sulphuric acid, in most of its combinations, will not only resist putrefaction, but restore a substance, in which it has actually commenced, we must insist on the professor's correctness, and that Judge Peters has erred in assigning to it septic powers

Dr. Darwin, in his Phytologia, p. 206, explaining the phenomenon of sulphuric acid combined with clay, counteracting the process of putrefaction, says "this, it may effect by uniting with the ammonia generated in putrefaction, or by preventing its produc-tion." Then, similar affinities will produce the same effect, when the gypsum, or sulphate of lime, is brought into contact with putrescible substances; and though it may be said, that ammonia has less affinity than lime for sulphuric as well as other FOR THE AMERICAN FERMER.

PROCEEDINGS

OF THE

Agricultural Society of Maryland.

No. 2.

On the modus operandi of Picater of Paris.

Cambridge Nov. 20, 1819.

Dear Sir: In compliance with the request, which you have done me the honour to make of me, I venture to offer to the intelligent and liberal society, over which you preside, an hypothesis upon the modus operandi of gypsum, with a confidence, founded more upon that liberality, which they have before evinced, than upon any merit to which it is entitled; in this prevalence of a sentiment adverse to theory and hypothesis.

That practice and experience teaching useful request.

That practice and experience teaching useful request.

PROCEEDINGS

PROCEEDINGS

Agricultural Society of Maryland.

If acts, are essential to the knowledge of agriculture, is for we find in Fourcroy's Chemistry, vol. 2, p. 159, "cretaceous ammoniacal salt, likewise decomposes selenite by double affinity; while the vitriolic acid by a set of elementary principles may be collected sading, the line four words, which it is equally obvious, that a systematic arrangement, and accumulation of these facts, where, is for we find in Fourcroy's Chemistry, vol. 2, p. 159, "cretaceous ammoniacal salt, likewise decomposes selenite by double affinity; while the vitriolic acid by a set of elementary principles may be collected sading, the line four represents the subphate of cretaceous ammoniacal salt, likewise decomposes selenite by double affinity; while the vitriolic acid by a set of elementary principles may be collected sading, this is the case only in a state of great purity: "cretaceous ammoniacal salt, likewise decomposes selenite by double affinity; while the vitriolic acid by a set of elementary principles cates, where the most new troust purity is profit predicated upon those the request, which the supplies of a projet, predicated upon those the result of a projet, predicated upon those to selected sevent with the ammonia, and thus, by double affinity; to seize the volatile alkali, the line

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"The episions of Sir H. Davy are not satisfactory slightest dressing of for recent dung; and by spreadreason may be effered, set: the oxid of iron is not ofthe subject, as they are on others which he hasing the plaster on the surface, rather than by trather than by trather than by transposed; and the professor to require the substances, which act its small quantiand air, have free access to it, and will necessary deteriorate the soil, by converting
ties, and which are thought by many paysinogists produce a more immediate influence; as in the
incomposed in the surface of the present of the transpose of the present of the present

On this point, experiments seem to be conclusive its action would be hastened; if wet and cold, it of substances may be promoted or counteracted, by that its adhesive attraction for humidity is very considerable; but that when combined with it, its content accelerates the process of calcination, on which, tent. In some instances, those which counteract or hesion is so strong as to make it difficult of separa as we have seen by authorities quoted, depends its promote the operation of plaster, are known; in

on the subject, as they are on others which he has ing the plaster on the surface, rather than by turn-fensive to vegetation; the saits of iron are highly attempted; he supposes that gypsum, alkalis, and ing it in; for thus, the agents of calcination, heat pernicious; hence the application of plaster to ferru-

"Does gypsum become phosphoric?

"Does phosphorus exist in vegetables?

"Does phosphorus exist in vegetables?

"Do phosphorus exist in vegetables?

"Do phosphorus is found uniformly in certain vegetables, it may be presumed to be essential to their contact and beled for grease, are ground and sold to like will easily be seen that upon the principles which bles, it may be presumed to be essential to their contact and ime, and to the former of these substances its action be then suspended from the want of sufficiently impart to them this essential matter; and must be accribed the virtues of the measure because distances in the suspended from the want of sufficient ways to them this essential matter; and must be accribed the virtues of the measure because its action be then suspended from the want of sufficient heat to former of these substances its action be then suspended from the want of sufficient heat to former of the measure because its action be then suspended from the want of sufficient heat to form the want of suffic

tion, and consequently useless in this respect to verphosphorescence: its action would be promoted highity, by previously spreading on the field even the

In ferruginous soils, it is sometimes injurious; a

The opinions of Sir H. Davy are not satisfactory slightest dressing of hot recent dung; and by spreadreason may be offered, set, the oxid of iron is not of-

stitution, and if gypsum become phosphoric, it may acid and lime, and to the former of these substances its action be then suspended from the want of suffireadily impart to them this essential matter; and that by that it does, facts known to us all, authorise me to lime, in so small quantities, is notoriously of but little the addition of a small quantity of hot manure, a reassert; and to this property, may the chief, if not the whole of its fertilizing virtues be referred.

1st. From repeated experiments of Mr. Du Fay, he asserts that all calcareous stones become phosphoric by calcination, whether they contain a fixed acid, residuum of vegetable ashes; in the two latter, need to adopt his opinion upon this subject, set. "That or not, but that those which contain a fixed acid, which are both chemically the same, (phosphates of sulphur affords the vegetative efficacy of plaster; as gypsum," become more readily so, and in a greater degree.

Margraaf witnessed similar facts: Dr. Darwin ously powerful, can possibly be referred, and we can investerious and inexplicable as its mode of acting on as gypsum," become more readily so, and in a lime,) no substance is found, except phosphorus, as acting as a stimulant to vegetation;" and remarks we have just seen, to which their operation notori-my sterious and inexplicable as its mode of acting on the repeats the same assertion and expresses a belief, not avoid attaching to this elementary article, and the canton of gypsum.

Four-roy says (in his elements of chemistry, vol. 2.

Four-roy says (in his elements of chemistry, vol. 2.

Four-roy says (in his elements of chemistry, vol. 2.

For this view, then, it is to be deduced, that all yallowed to possess.

From this view, then, it is to be deduced, that all yallowed to possess.

From this view, then, it is to be deduced, that all young the principle of its septic quality, for in either case, it should be equally beneficial to the whole velocation great addition, set, phose containing fixed acids, (i. e. calcareous salts) become readily phosphoric under such circumstances, it is necessarily phosphoric under such circumstances, it is necessarily phosphoric under such circumstances, it is necessarily phosphoric under such circumstances, it is not the whole, or in the very considerable degree.

It may be asked then, why does not plaster in all have acquired more experience and therefore some are being of plaster might be more or less ally deteriorate some soils, a fact well known to make the particles of plaster might be more or less ally deteriorate some soils, a fact well known to make the particles of plaster might be more or less ally deteriorate some soils, a fact well known to make the particles of plaster may be asked then, why does not plaster in all nefited by the application of those substances, which is under the properties of the phosphorus it is constitutionally disposed to the united action of the phosphorus it is subject, it will be settled, that all have acquired more experience and more term and air, the essential agents of calcination:

In answer to such charges a stimular to every chemist; tha

ter does become phosphoric; that phosphorus does

The eligible time for planting these begins with the fore winter.

Exist in vegetables, and that the most powerful mafall of the leaf, in each respective species, which all

Hardy plants may be removed any time in October, nures contain phosphorous, nearly in the ratio of though it varies a little, according to the season and the sooner the better, that they may take root before their power; and that those most pre-eminent, and constitution of the plant, is always near the middle of the setting in of frost. Choose a time when the acting in quantities so small as to be almost miracu-Oct ber, and thence to the time when the sap begins ground is in a moist state.

lous, contain upon analysis, nothing except phospho-to rise, and the bud to swell in the spring, which is Throughout November planting may be continued, rous which can possibly operate at all, (for it is un-generally about the middle of March; all kinds of during open weather; by the latter end of which doubted, that so small a proportion of lime as is ap-hardy deciduous trees may be then transplanted in month, it is desirable that the autumn planting of doubted, that so small a proportion of lime as is ap-hardy deciduous trees may be then transplanted in month, it is desirable that the autumn planting of plied in bone dust, &cc. can produce no visible effect) open weather, and the liberal and candid investigator will assent to my proposition and acknowledge the potent agency of of November is very good, for in being transplanted, all shrubs in December it will be advisable to mulch the element "phosphorous" in promoting vegetation, soon after the leaf decays, the plant has the advantage of the considerable interval, which usually elapselement to the transplanting everbecome more intimately acquainted with its proper-sess before the frost sets in hard, and if the root puts greens in December, or the latter end of November. among the pabula of yegetables.

I have the honour to be sir, Yours respectfully

JOSEPH E. MUSE. To the president of the Agricultural Society at Annapolis.

NURSERY, FOR JANUARY. From the American practical Gardener.

fertile.

Trees afford shade and shelter to particular walks and districts; some species will grow in low and moved, if the weather be open, most sorts will take transplanting should be completed; guard the earth marshy places, others on the sides of dry hills, many in waste places, not adapted for the cultivation of ence for some specific kind of soil, in which each species will best succeed; a few show a remarkable repugnance to one peculiar sort of ground, and some trees require a fertile soil in order to flourish.

Although the consumption of timber has not so diminished the number of forest trees in the U. States, as to render the cultivation of it at present so impor- strike root, and flower the sooner. tant an object as it is in Europe, yet it requires to be

The deciduous and evergreens are clear distinctions. Deciduous trees remain leafless from Novem-

ber till April or May.

Evergreen plants change their foliage by degrees, from rendering the earth about the roots too dry and preserve the old leaves a long while after the The continuance of the leaf throughout winter on the tree, and its retention of verdure, is perhaps, owing weather be dry, and the exposure warm, repeat the more facility be recurred to, than to be scattered in a principal degree, to this close covering. The watering twice or three times, and they will strike over different parts of the work. The different spectrogreen plants perspire but little, compared with the same season without requiring more.

Late transplanting. If there be any vacuity in a complete list be desired, it may be removed a complete list be desired, it may be found in Milabundant, so that many evergreens grow in the cold-they must not only be watered well at planting, but let's Gardener's Dictionary.

Extregions. From the presence of fixed oils, there is good reason for supposing that a certain degree of bloom of roses, as late as July, August and Septem list to old the well manured. It is improper to entirely incorporated with the soil. If with the second warm, repeat the more connected, and can with the second warm, repeat the more different parts of the work. The different spectrum of each genus are not connected, and can with the scality be recurred to, than to be scattered in the work. The different spectrum of each genus are not countered to, than to be scattered warm, repeat the more different parts of the work. The different spectrum of each genus are not countered to each genus are not countered to large a scope, and be more useful to the with an oily quality, which secures them from being spots set apart for shrubs, the plants may be remove botanist, than to the practical gardener. However, if a possible to large a scope, and be more useful to the without of each genus are not countered to large as cope, and be more useful to the with the soil of each genus are not countered to large as cope, and be more useful to the without of each genus are not countered to large as cope, and be more obtained, the more different parts of each genus are not countered to large as cope, and be more

ties than at present, assign to it an elevated rank forth fresh fibres before the winter, the plant will however mild at the time, arises from the daily

ciduous tribe, may be continued in mild weather, but it severe weather occurs soon after they are removed, ed; and in this respect they are less hardy than the the ground over the roots should be mulched, to keep deciduous tribe.

out the frosts that must be expected; this is done by laying some dryish straw or long litter, to a good be removed if frosts do not forbid, but no general thickness on the surface, and as far round as the transplanting of them should be undertaken, till Februst's spread, and a little further.

The course of January during settled and enemind and open in January, the ground is too wet.

From the American practical Gardener.

In the course of January, during settled and open in January, the ground is too wet.

General Observations.

The cultivation of timber, or trees for building falis peculiarly under this division. The propagation of fruit trees and ornamental shrubs is likewise comprehended in it; while the orchard, fruit garden, and shrubbery exhibit the course of culture, for the ground designed to receive the plants.

In the course of January, during settled and open in January, the ground is too wet.

If February prove settled and mild, there will be may be also planted, the more delicate being treated into risk in transplanting; the latter part of the month is generally the best time for removing evergreens. When it is open weather in March, they will take is subject to wet, it is better to defer the removal of root most freely in fresh earth; if it be a dry time, them until February. Some fruits, as peaches, nector the plants introduced into each, healthy and succeed better, if planted out in the spring, than if learth excessively. keeping the plants introduced into each, healthy and succeed better, if planted out in the spring, than if earth excessively. planted in autumn.

root at that season freely.

You may continue to transplant them without risk, &c as before directed. other plants or vegetables; at the same time it must until the middle of march, and if any occasion for. The proper times for transplanting box and other be remembered, that most trees discover a prefernew plants arise, even when March is drawing to a evergreen edgings, are the same as for the larger close, most sorts will yet succeed. But the plantation plants, of deciduous trees should be deliberately and firmly Some few kinds of evergreens, the arbutus for exundertaken, and finished about the middle of the ampie, the rhododendron, and the cypress may be month.

Roses planted in march, will flower the same year, not well watered. but the sooner they are planted, the better they will

Having specified the extremes, within which it is

cause of the impotency of this calcareous salt in some gins so early, that the frost of the winter does not soils; and of its potency in others of apparent simi-always totally suspend, for a great length of time, the larity, yet it will be seen that most of the phenomena plantation of hardy trees and shrubs. However between September and April, some months are present weather proves moist; if it be dry they must be ferable and safer for removing these than others.

Times for planting deciduous trees,

Times for planting deciduous trees,

be so well established the following summer, that the probability of sharp frost coming just afterwards, for drought in the hottest season will not hurt it. In December, the general transplanting of the de-are liable to be injured in the young shoots and leaves ciduous tribe, may be continued in mild weather, but if severe weather occurs soon after they are remov-

lanted in autumn.

Evergreens may be very successfully removed, In February, all deciduous kinds may safely be re-till the middle of April, at which period the general over the roots, from the drying effects of the sun,

Removal of plants.

strike root, and flower the sooner.

Water after transplanting, may be necessary, if the removal be not till thus late; and when curious and tender sorts are inserted in fresh ground, it may likewise be expedient to spread some mulch round the bottom of the stem, to prevent the sun and wind the bottom of the stem, to prevent the sun and wind the bottom of the stem, to prevent the roots too dry.

The least hardy plants, which as curious exotics, are often of the most valuable kinds, should be taken up with a ball of earth to their roots. As evergreens are always in a state of growth, it is desirable to have them so due up on all occasions, that the old mould may adhere about the roots.

Additional remarks,

formation of the new; the partial severings, and advisable to keep, in planting decidous trees, for comnicely distributed regenerations of foliage, do not
mon purposes, it may be serviceable to state the latake place at any determinate time. The leaves of titude to which early transplanting, or late transry, the introducing a general table of deciduous and
all evergreen, shrubs and trees have a thin compact planting for particular objects, may be best nurtured. skin over their surface, this may be perceived by

\*Early transplanting. If new trees in some partiable to convey the necessary instruction, relative to macerating them in water, in order to separate the cular place be wanted, you may remove the sorts, in the time and method of planting, and although not pulp from the leaves; the separation cannot be effected until a thin parchment-like case is taken off week of October is past; give a good watering, important ings are introduced into this month, the subject is The continuance of the leaf throughout winter on the mediately after putting them in the ground, and if the by this means kept more connected, and can with

winter.

The seasons for planting out all kinds of trees sometimes postponed till April, or the beginning of and a crop of potatoes raised previous to commencing are general denominated autumn and spring. In mild May; plenty of water must be given them, till they the nursery; when this cannot be easily accomplishments the former is so prolonged, and the latter beare well rooted.

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soil and Situation.

It must be evident from the affections and antipathies of plants, in respect to different kinds of earth, that a complete nursery should either naturally comprise, or by art be made to comprise soils of various qualities. The mould, in the chief part of it, should be light and pliable, with a large mixture of sand, a part of it should be a rich fine loam; chere should be also, a minor proportion of clayer land, and if possible, some peat earth within the soil and soil possible, some peat earth within the soil and situation of the various sorts of the plants.

In the distribution of the various sorts of the plants, without budding or graft-io form the stem of the tree. When the fruit trees are grafted or budded, place sticks to the different species labelled 1, 2, 3, &c. and set them down in the nursery book; paying the late of the trees, shrubs, and perentially and proper to allot a dry, same attention to the forest trees, shrubs, and perentials. Where the plants are in rows, wide enough for the tween the tween the rows. Every feet or the collings, some peat earth within the boundaries.

In the distribution of the various sorts of the plants.

In the distribution of the various sorts of the plants and of the tree.

When the fruit trees are grafted or budded, place which is treed, which the sticks to the different species labelled 1, 2, 3, &c. and set them down in the nursery book; paying the day of the proper to allot a dry, same attention to the forest trees, shrubs, and perentials and plants are in rows, wide enough for the trees.

When the fruit trees are grafted or budded, place which is the different species labelled 1, 2, 3, &c. and set them down in the nursery book; paying the day of the different species labelled 1, 2, 3, &c. and set them down in the nursery book; paying the same attention to the forest trees, shrubs, and perentials.

Where the plants are in rows, wide enough for the plants are in rows, wide enough for the plants are in rows, wide enough for the plants are in rows,

One or more of the divisions must be allotted as a stemmary, for the reception of all sorts of seeds, for the reception of all sorts of seeds, for the reception of seeding plants, to furnish the other parts. Divide this seminary into regular beds of three and a half to four feet wide, with eighteen meh allegards, and the four feet wide, with eighteen meh allegards. Divide the mestage and surface of the water and a half to four feet wide, with eighteen meh allegards and the four feet wide, with eighteen meh allegards and the four feet wide, with eight early the four feet and shalf to four feet wide, with eight early the feet of all such trees, almost and the feet of the water and shalf to four feet wide, with eight early the common commonly planted with a trovel, or small of all such trees, and stones of fruit, to raise stocks for grading and budding; seeds of forest trees, or amenantal shrubs, fee. and seeds of numrous beful for the state of the state o

A small nursery for private use, may be made in kinds, also almost all the sorts of shrubs are trained weakest and leave the straightest and strongest shoot, any suitable part of the kitchen garden.

In the distribution of the various sorts of the phants also hand weed between the rows. Every fail of the distribution of the various sorts of the phants also hand weed between the rows. Every fail of the nursery, let each sort be separate: the fruit spring, the ground, between the rows should be mastagnant water, will be very unsuitable, except it be the forest trees should be stationed together, all the the manure, and weeds, to the bottom. The upper soil should be naturally good, or meliora-shrub kind should be ranged in separate compartments -a place should also be appropriated for herbaceous

The upper soil should be naturally good, or meliorated to the depth of two feet.

As to aspect, the nursery should be open to the east, south, and west, and sheltered on the remaining quarter, so that if a particular exposure is either wanted or to be denied, to any of these plants, it may be obtain dedivity in the surface, so as not to interfere with the general tiliage of the ground, particularly it the inclination be to the south or east, it will have some advantage over a level.

Pencing, Integrating, and laying out the Ground.

A fence round the whole nursery is necessary, of the best materials you can procure; a board fence, or helder and ditch.

When the whole is trenched, as before directed, when the whole is trenched, as before directed, browned the middle from eight to ten feet wide, having a broad all round, leaving an eight or ten feet border next the outward boundary, all the way; then divide the internal part by cross walks, so as to form the whole into four, six, or eight departments, called quarters.

One or more of the divisions must be allotted as a seminary, for the reception of all stragging roots of both.

Transplanting of young forest and ornamental trees, that the nursery now may be performed, particularly in the nursery now may be performed the protection of the prevention of the green house. The arrangement of the nursery should be in rows.

Fruit tree stocks, for grafting and budding upon, the particularly in the nursery now may be made at any ti

should be highly manured, yet you should not make allow the tree and shrub kinds three times the disjstems, by trimming off the lateral branches, which will choice of a poor soil, but substantial garden ground, tance of herbaceous perennials. Some are to be plant-cause the leading top shoot to grow straighter and or good mellow pasture land, the sward carefully ed for stocks to graft and bud fruit trees and other higher, than it otherwise would; but should it fork, trenched to the bottom.

Most forest and other hardy tree before it has attained a proper height, trim off the

General mode of arranging the Plants. for the culture of the plants, and to destroy the In the distribution of the various sorts of the plants also hand weed between the rows. Every

Southern States.

though I never tried it, I apprehend that it injures detended with cold rains, the being for months on the propagates as early as a dunghill fowl, and with the sheep more than is compensated by the manure, or wet and frozen ground, impairs their condition, brings requisite care, such must be the increase of the flock, the saving of food. Good hay alone, given in plenty, on coughs, and engenders disease.

It is certainly true, however, that the standing and question as to the females will be, whether to kill is small and your pastures or meadows fine and ex-lying on their own filth, will sooner or later infect the off from the lambs or the ewes—and in what proporis small and your pastures or meadows fine and ex-lying on their own filth, will sooner or later infect the off from the lambs or the ewes—and in what proportensive, they may do tolerably well, but there can be flock; but in winter, and with the precautions I have tionate quantity. The rule is never to shear more no doubt that good feeding in winter is real economy, advised, as to cleaning out the sheds frequently and than six fleeces from a sheep, unless as to a partitude bour on a poor field, is in Agriculture; the produce middle of April to the middle of December, there is little danger. From the lar animal which may be preserved on account of bour on a poor field, is in Agriculture; the produce middle of April to the middle of December, there is uncommon qualities.

The best scason for shearing, I have found to be encrease of quantity and quality of the wool, the guard against dogs at night, in which case it should the middle of May; there is danger in taking off the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should fall on sheep whole flock, give a clear profit on the consumption of the best ocnstructed as to be moved frequently, made coat too early—it a cold rain should a spell of cold rain

title additional cane and attendors agreed the control of the cane the cheminade his acculations only on what his cane the there made his acculations only on what his cane the there made his acculations only on what his cane the control of the co

therefore am not acquainted with many remedies. In principal disease from which I have suffered, and from which I did suffer sorely for several years, after I began to raise this stock, my people called the country distemper. I have already described it; then farming, when the proprietor conditive noses, coughs, wheezing, roached backs, pinchider, than farming, when the proprietor conditive noses, coughs, wheezing, roached backs, pinchider mortality in lambs, and frequent deaths among the bours of the field, the pleasures of the chase, the experiments of the country it is a bettle on the bottom of which law but let the middle of each be spread open, and old sheep so that I had often to buy in to keep my exercises of the chase, the experiments of the chase the experiment of the chase the expe ing but few diseases to which sheep are subject, and more various entertainment, that is better calcuold sheep so that I had often to buy in to keep my exercises of the chase, the experiments of the put it in a kettle, on the bottom of which has were separated. In some years they all had it, and then I had often thoughts of getting rid of the whole much more honourable would it be for young it, then put another cloth over the flax, and so then I had often thoughts of getting rid of the whole much more honourable would it be for youngit, then put another cloth over the flax, and so on any terms, and procuring a fresh and more gentlemen in the country, to invest their losses continue covering each layer of flax with a cloth, healthy stock; at length it struck me, on observing at the gaming table, in collections of books on till the kettle is nearly full. Pour over the bouring state, feeding at the troughs and racks in long state, feeding at the troughs and racks in long, provide, at home, that defence against enhours, take it out, and throw it in cold water, of service to my own sheep. I applied it immediately on my return home, and in few weeks was grand billiard rooms, in the bottle or the dice box? The flax must be each time died, hackled, beating the flax must be each time died, hackled, beating the first that it had relieved about two-thirds of tified to find that it had relieved about two-thirds of the flock on examining the next spring, those still affected, I found them absolutely without teeth-these things brought me to my reflections—I set se riously about the reform, and by degrees adopted the system I have here recommended, with complete come originally from those parts of Egypt, up and combed like cotton, is not only used for be pleased to try it.

### DESULTORY READINGS.

Under this accommodating title the Editor tities. It flowers in July. Under this accommodating title the Editor proposes to appropriate to himself, occasionally, a column or two of the Farmer, for the sake of presenting, more especially to the younger class of his readers, such essays and observations from various authors, as may seem calculated to convey both amusement and instruction.

Linseed contains about one-fifth of mucilage, and one-sixth of fixed oil. The mucilage resides entirely in the skin, and is separated by infusion or decoction; the oil is separated by expression. It is one of the cheapest fixed oils; but is generally rancid and nauseous, and unfit the proposes to appropriate to himself, occasionally, and one-sixth of fixed oil. The mucilage resides entirely in the skin, and is separated by expression. It is one of the cheapest fixed oils; but is generally rancid and nauseous, and unfit

or the other. We have too often to regret the want of leisure for a more extensive and deliberate course of studies, that would enable us to make this paper more worthy of the generous encouragement it has received, but we must never forget that our first and paramount duties hibition of corrosive sublimate.

Linseed is emollient and demulcent, the enmore than worth the subscription money. His tire seeds are used in cataplasms, the infusion leisure moments have been devoted with equal zeal and pleasure, to make the Farmer, a useful work, on the great subject of American Agriculture. The demand for the paper Linseed abounds with a quantity of oil and has exceeded his anticipations, and he has every populous city.

the elements, and some of the most obvious and useful purposes of things which grow up, and

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# FLAX.

History.

success, as may, I am satisfied, any farmer who will which are exposed to the inundations of the many of the same purposes, but makes lint for be pleased to try it.

A MARYLANDER.

Nile. It now grows wild in the fields in the veterinary surgeons, &c.

are those due from us as the Postmaster of a mucilage, it yields its mucilage to water; and reason to be grateful for the punctuality of his We here copy, as an example of what we deinfusions of it sweetened with sugar or honey, subscribers. In some instances, gentlemen have

Cure for a recent cough and cold.

known; it may be that we shall foster amongst one quart; add to it a quarter of a pound of the sons and daughters of farmers, a thirst for pounded sugar-candy, a table spoonful of old researches in natural history, and a taste for the pursuits of literature in general—it may be, that we shall be able to convince the young man, who rejuctantly submits to the calling of the fif they are put in at first, the whole soon becomes plough, that his occupation, when properly and liberally viewed, is not of that monotonous and ignominious character, which is so often and so taken whenever the cough is troublesome, the ignominious character, which is so often and so taken whenever the cough is troublesome, the ignominious character, which is so often and so taken whenever the cough is troublesome, the ignominious character, which is so often and so taken whenever the cough is troublesome, the their names are to be transferred to the known; the aduance is of subscribers for the second volume. Those who have been peremptorily required to pay in advance, have a right to ask how it happens, that some have been allowed to get in arrears—It has so happened, for the most part in this way interest for the farmer, have requested the editor interest for the farmer, have requested the editor of send it to certain persons, saying, that they improve the cough is troublesome, the were respectable and wealthy men, punctual in their general dealings, and would undoubtedly there is no pursuit in all the circle of human em-two or three days; and, if taken in time is continued in the circle of human em-two or three days; and, if taken in time is continued in the first volume is drawing to a close,

To dress Flax to look like Silk.

ten and rubbed fine; and, at last, dressed through a large comb, and through a very fine one. By this process the flax acquires a bright and This valuable annual plant is said to have soft thread. The tow which is off, when papered

# FAIRMIEIR.

BALTIMORE, FRIDAY, JANUARY 21, 1820.

## TO SUBSCRIBERS,

Those who have, and those who have not paid.

Though these selections will generally be for internal use. The cake which remains after laid it down as a general rule, to require payment more or less connected with the pursuits and labours of the husbandman; they will also be sometimes, of a moral and literary cast, according as accident may happen to present the one of the other. We have too effort in the case of the cas cultivators of the soil, a volume that would be Linseed is emollient and demulcent, the en-more than worth the subscription money. His Linseed abounds with a quantity of oil and has exceeded his anticipations, and he has every We here copy, as an example of what we design, the botanical description, with a short account of the history and medical virtues of root, prove good and useful remedies in coughs a desire to see such a work in general circulation and rheums; and the oil got by expression may throughout our country. Some gentlemen, in growing all our lives, we never probably thought of it, in any other light, than as the means of making linen. How inglorious to remain thus uninquisitive about, and ignorant of the history.

PREPARATIONS. ditional names, being pleased to say, that in so do-ing, they considered themselves as promoting the best interests of the country. But Pthere perish about us every day. By spreading in Put a large tea-cupful of linseed, with a quar, are still a few who have neglected to pay for their way some striking examples to shew inter of a pound of sun raisins, and two ounces of their paper; and although few in number, it is how many new lights, science can exhibit those stick liquorice, into two quarts of soft water, and necessary to remind them now, in order to know productions of nature, apparently the best let it simmer over a slow fire till reduced to whether their names are to be transferred to the

to return our sincere thanks to those who have discoverable throughout the patch.

in public estimation ;-we have therefore copied Great Britain ought to yield. "five minutes reflection" of some able writer on My principal object in making this comsheep. We have read the works of Tessier and munication is, to remove the erroneous idea Daubeaton, and Somerville and Livingston, &c entertained by many intelligent agriculturon the same subject; but this writer has, with ists, that the soil and climate of Virginia are From the United States in the year ending Sept. masterly discrimination, and with happy applica-unfavourable to the growth of turnips? and, tion to the circumstances of our own country, at the same time, to make known what I concondensed all that is essential to be considered in sider the best method of planting and cultithe present state of things, on this item of rural vating them. economy.

For the American Farmer.

CIETY OF ALBEMARLE.

# On Manuring for Turnips.

No. VII.

Sir,-I beg the liberty of communicating to your society, the result of an experiment I made the last year in the culture of Tur-

A small patch of ground containing one fifth of an acre, which had been a cow-pen the preceding year, I had thoroughly plough-consideration of agriculturists. The criticattle 598,000—butter and cheese 297,000—ed and harrowed about the middle of July cism of experienced and inquiring farmers pork, bacon, lard, and live hogs 1,009,000—on or about the 10th of August, immediate-is respectfully invited. ly after a heavy rain, it was again ploughed 1820-Autum-Spread and plough in and harrowed, and laid off with a hand your manure. plough both ways in furrows twelve inches 1821-Spring and summer-potatoes, turdistant, crossing at right angles. At the in-nips, &c.—Autumn gather in and feed it to 296,000—rice 2,143,000—oats, pulse, potatersection of the furrows, I had the common your stock. summer turnip seed dropped, (three or four 1822-Indian corn-Autumn sow clover. seeds in a hill) and covered with the hand, 1823—Clover—Autumn turn in clover &c. 7000. nearly an inch deep. A top dressing of and sow wheat, &c. Plaster of Paris was then given it. In 1824-Wheat-Autumn manure and Manufactures-tallow candles and soap forty hours the plants made their appear-plough in stubble.

ance. On the 10th of September, when they had from five to seven rough leaves, about nips, &c.—Autumn gather and feed to stock.

1825—Spring and summer—Potatoes, tur—hats 16,000—grain, spirits, beer and starch g5,000—furniture, coaches and other carrisix inches long, I had the ground thoroughly hoed—the weeds removed, and the hills who holds in high estimation the efforts of honed—one plant only being left in each. others in the cause of agriculture, is desir
503,000—thinter, coathes and other carries and ot not larger than a thimble; but they soon be- of this experiment, he will much oblige his tured article 301,000 raw materials 329,000. gan to grow rapidly, and the outside leaves friend and fellow farmer. to fall off. By the last of the month, they had got their full growth. On the 10th of November I measured the product of one square rod, taken indiscriminately near the centre of the ground. It yielded seven and Pour eight gallons of cold water into a bara half bushels of excellent turnips, all nearly rel, and then after boiling eight gallons more, of the same size; the smallest weighing put that in also; to this add twelve pounds about two, and the largest not more than of molasses with about half a pound of the

entreat those few who have not paid, to remit and forty bushels, in the proportion of twelve may be immediately bottled, corked up, and immediately by Mail, at the risk and cost of the hundred bushels to the acre—a product considerably greater than I have ever known in proportion as domestic manufactures revive this country, and not inferior to what Sir Remember, that it should be drawn off inthat much neglected animal the sheep, must rise John Sinclair says the best cultivated land in into quart stone bottles and wired.

With regard to the comparative value of turnips for stock and culinary uses, it is unnecessary to express an opinion; but I do PROCEEDINGS OF THE AGRICULTURAL so-not hesitate to sav, that farmers in every section of our country who will pay some attention to the cultivation of that vegetable dried fish \$1,052,000-pickled 409,000will be richly remunerated.

> BENJ. COLMAN. P. MINOR, Esq.

Secretary of the Agricultural Society of Albe-

For the American Farmer.

### A NEW ROTATION.

The following rotation is submitted for the

On the first of October they covered the ous to know the result of the soiling experi-refined sugar 11,000—chocolate 5000—gunground, and measured about two and a half ment of Col. Tilghman of Washington. If powder 110,000—brass and copper 13,000 feet in length. At this time the roots were he will be particular in his promised account medicinal drugs 32,000—uncertain manufac-

MONOCACY.

January 18th, 1820.

How to make Brown Spruce Beer.

four and a half pounds. No difference was essence of spruce and on its getting a little

Ad-cooler, half a pint of good ale yest. complied with the terms; and especially to mitting therefore that every part was equal whole being well stirred: or rolled in the Gentlemen who have, in some cases obtained as (and I have no hesitation in asserting the barrel, must be left with the bung out for many as thirty subscribers; at the same time to fact,) the whole product was two hundred two or three days; after which the liquor

### EXPORTS.

30, 1819.

Produce of the Sea,		\$2,024,000
Of the Forest,		4.927,000
Of Agriculture,		41,452,000
Manufactures,		2,574,000
Uncertain,	,	630,000

Of the produce of the Sea-there was of whale oil and bone 431,000-spermaceti oil and candles 132,000.

Of the Forest-Skins and furs 481,000-Ginseng 30,000-Lumber, staves, spars, shingles, hoops, poles, hewn timber, &c. 2,400,000-oak bark and other dyes 146,000 -naval stores 376,000—ashes pot and pearl 1,419,000.

Of Agriculture-Beef, tallow, hides, live horses and mules 100,000-Sheep 21,000wheat, flour, and bread 6,415,000-Indian corn and meal 1,424.000-rye and meal toes, &c. 195,000-tobacco 7,687,000-cotton 21,082,000-flaxseed 171,000-hops 23,000-wax 37,000-poultry, maple sugar,

BALTIMORE,

PRINTED EVERY FRIDAY,

For John S Skinner.

AT FOUR DOLLARS PER ANNUM, PAYABLE IN ADVANCE.